

Customer No.: 31561
Docket No.: 10070-US-PA
Application No.: 10/707,012

AMENDMENT

In The Claims:

1. (currently amended) A structure of reducing source line resistance, suitable for use in a light emitting diode display that comprises a plurality of pixels, each of which comprises a light emitting diode, a source and a source line for providing required power to drive the light emitting diode, the structure comprising:

an insulation layer on the source line, the insulation layer having at least two openings exposing two ends of a part of the source line; and

at least a conductive layer covering the insulation layer and electrically connected to the source line via the openings, such that the conductive layer and at least the part of the source line are connected in parallel,

wherein the source line further comprises a major source line to connect with the source and a plurality of branch lines to supply the power to the light emitting diode of each pixel, and the conductive layer comprises at least a conductor located over the branch lines.

2. (original) The structure according to Claim 1, wherein the conductivity of the conductive layer is larger than that of the source line.

3. (original) The structure according to Claim 1, wherein the conductive layer comprises a plurality of conductive structures distributed between the pixels.

Claims 4-6 (cancelled).

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7. (currently amended) A structure of reducing source line resistance, suitable for use in a light emitting diode display that comprises a plurality of pixels, each of which comprises a light emitting diode, a source and a source line for providing required power to drive the light emitting diode, the structure comprising:

an insulation layer on the source line, the insulation layer having a plurality of openings exposing the source line; and

a conductive layer covering the insulation layer and electrically connected to the source line via the openings, such that the conductive layer and at least the part of the source line are connected in parallel,

wherein the source line further comprises a major source line to connect with the source and a plurality of branch lines to supply the power to the light emitting diode of each pixel, and the conductive layer comprises at least a conductor located over the branch lines.

8. (original) The structure according to Claim 7, wherein the conductivity of the conductive layer is larger than that of the source line.

9. (original) The structure according to Claim 7, wherein the openings are distributed between the pixels.

Claims 10-12 (cancelled).

13. (currently amended) A method of reducing source line resistance, suitable for use in a light emitting diode display that comprises a plurality of pixels, each of which comprises a light emitting diode, a source and a source line for providing required power to drive the light emitting

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diode, wherein the source line further comprises a major source line to connect with the source and a plurality of branch lines to supply the power to the light emitting diode of each pixel, the method comprising:

forming an insulation layer on the source line;

forming a plurality of openings exposing the source line; and

forming a conductive layer covering the insulation layer and electrically connected to the source line via the openings, such that the conductive layer and at least the part of the source line are connected in parallel, wherein the conductive layer comprises at least a conductor formed over the branch lines.

14. (original) The method according to Claim 13, wherein the conductivity of the conductive layer is larger than that of the source line.

15. (original) The method according to Claim 13, wherein two neighboring ones of the openings are formed on two ends of a part of the source line.

16. (original) The method according to Claim 13, wherein the step of forming the conductive layer further comprises forming a plurality of conductive segments to fill the openings.

Claim 17. (cancelled)

18. (new) A structure of reducing source line resistance, suitable for use in a light emitting diode display that comprises a plurality of pixels, each of which comprises a light

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emitting diode, a source and a source line for providing required power to drive the light emitting diode, the structure comprising:

an insulation layer on the source line, the insulation layer having at least two openings exposing two ends of a part of the source line; and

at least a conductive layer covering the insulation layer and electrically connected to the source line via the openings, such that the conductive layer and at least the part of the source line are connected in parallel,

wherein the source line further comprises a major source line to connect with the source and a plurality of branch lines to supply the power to the light emitting diode of each pixel, and the conductive layer comprises at least a conductor located over the major source line.

19. (new) A structure of reducing source line resistance, suitable for use in a light emitting diode display that comprises a plurality of pixels, each of which comprises a light emitting diode, a source and a source line for providing required power to drive the light emitting diode, the structure comprising:

an insulation layer on the source line, the insulation layer having a plurality of openings exposing the source line; and

a conductive layer covering the insulation layer and electrically connected to the source line via the openings, such that the conductive layer and at least the part of the source line are connected in parallel,

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wherein the source line further comprises a major source line to connect with the source and a plurality of branch lines to supply the power to the light emitting diode of each pixel, and the conductive layer comprises at least a conductor located over the major source line.